

# 3<sup>rd</sup> STRUCTURAL ENGINEERING WORKSHOP

16<sup>th</sup> JULY 2024, 10:00 am, aula  
conferenze ex DICAM

Università degli Studi di Palermo  
Dipartimento di Ingegneria,

**PhD Program in Engineering of Structures and Infrastructure**

## OPENING PRESENTATION

**Prof. Giuseppe Campione** • Università degli Studi di Palermo  
(Chair of the PhD Program) – Sicurezza degli edifici in c.a. e strutture snelle

## INVITED PRESENTATIONS

**Prof. Giuseppe Quaranta** • Università di Roma “La Sapienza”

*Unified analytical capacity model for RC beams and columns under uniaxial or biaxial shear*

**Prof. Gerard O'Reilly** • Istituto Universitario di Studi Superiori (IUSS), Pavia

*Quantifying fragility functions for non-ductile infilled reinforced concrete buildings from past earthquakes: analytical models versus empirical data*

## YOUNG RESEARCHERS' AND PHD PRESENTATIONS

**Jennifer D'Anna** • University of Palermo

*Decision support tools for allocating economic resources in seismic retrofitting of residential buildings*

**Antonio Sberna** • Politecnico di Torino

*Risk-targeted performance-based seismic retrofitting design framework for non-ductile reinforced concrete structures*

**Marilisa Di Benedetto** • Politecnico di Torino

*Seismic assessment and analytical evaluation of the internal forces' distribution in infilled-frame structures*

**Sofia Villar** • Politecnico di Torino

*Seismic response of masonry aggregate buildings under different degrees of inter-unit connection strengths using a refined FE model*

**Shima Sadeghzadeh** • Ozyegin University

*Soil profile numerical model optimization for multi direction site response analysis*

**Maria Concetta Oddo** • University of Palermo

*Monte Carlo analysis of masonry structures under tsunami action: fragility assessment*

**Anthea Amato** • University of Palermo

*A strategy for Fluid Viscous Damper design: application to a case study*

**Emanuele Amato** • University of Palermo

*Innovative wind towers for energy production: the PERIMA2 project*



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